



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010511
CERTIFICATION DATE: November 15, 2013
DATE RECERTIFICATION DUE: May 14, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

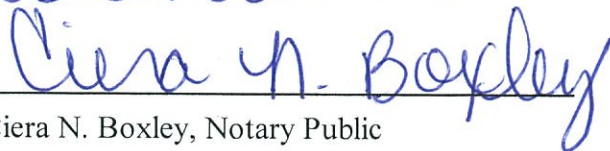


Melissa Kennedy

Program Manager, Calibration & Training

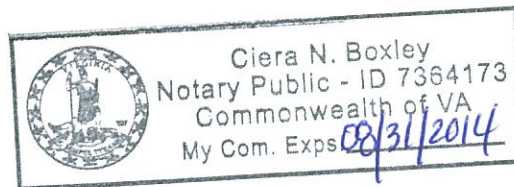
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of December, 2013 by Melissa Kennedy



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013

HMS
Wsk

Instrument Serial Number: 010511

As of 19-Nov-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
15-Nov-13	15-Nov-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
07-Jun-13	07-Jun-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
12-Dec-12	12-Dec-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
26-Jun-12	26-Jun-12	HMS (18910)	CERTIFIED
19-Jan-12	19-Jan-12	HMS (18910)	CERTIFIED
07-Oct-11	02-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD.
02-Aug-11	02-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Feb-11	08-Feb-11	RJP (22428)	CERTIFIED.
24-Aug-10	24-Aug-10	RJP (22428)	CERTIFIED.
10-Mar-10	10-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
15-Sep-09	15-Sep-09	DBH (21250)	CERTIFIED.
25-Mar-09	25-Mar-09	RJP (22428)	CERTIFIED.
19-Mar-09	19-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
18-Dec-08	18-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II

Quality Assurance Worksheet

LAND
PMM

Instrument Serial Number 010511 Worksheet Start Date 11/15/2013

Location Buchanan County

Address 1032 Walnut St, Grundy, VA 24616

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. New serial no.

E-Seek
Keyboard
Printer
UPS

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010511

Certification Date 11/15/2013

Instrument Barometer (mm HG) 740

Reference Barometer (mm HG) 742

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.241
0.250	0.243	0.235	0.250	Sample 2	0.240
Precision		sample min	sample max	Sample 3	0.240
0.001		0.240	0.241		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.146	0.141	0.150	Sample 2	0.145
Precision		sample min	sample max	Sample 3	0.145
0		0.145	0.145		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-17

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.097	0.094	0.100	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

DFS Technician

Heath W. Smith

Date

11/19/13

Issuing Analyst

Melina Kennedy

Date

11/23/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

hms
pdx

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/15/2013
TEST EQUIPMENT NUMBER 010511		

RESULTS: TIME SAMPLE TAKEN 07:37 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Nov 2013 at 13:31

Handwritten initials: HMB and WSA

Test Results

Instrument Serial Number 010511

Test # 000413 Subject Test

Test Location 1 Department of
Test Date 15 Nov 2013

Test Location 2 Forensic Science
Test Time 07:31
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 15 Nov 2013 End Time 07:38

Result Time 07:37

Result Date 15 Nov 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 07:31

Data Type BLK

Sample Value 0.000

Sample Time 07:32

Data Type CHK

Sample Value 0.098

Sample Time 07:33

Data Type BLK

Sample Value 0.000

Sample Time 07:34

Data Type SUBJ

Sample Value 0.000

Sample Time 07:35

Data Type BLK

Sample Value 0.000

Sample Time 07:36

Data Type SUBJ

Sample Value 0.000

Sample Time 07:37

Data Type BLK

Sample Value 0.000

Sample Time 07:38

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG204704-21

Standard Expiration Date 02/16/2014

Tank Pressure 232

Barometric Pressure 740 mmHg

Blow Sample Number 1 Blow Duration 3.69 sec

Blow Volume 1683 cc

End-of-Blow Time 07:35

Blow Sample Number 2 Blow Duration 3.79 sec

Blow Volume 1665 cc

End-of-Blow Time 07:37

Tamper Evident Stamp c8b85cab

Test Status Code 0

Test Status Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010511 Test Number: 414

Test Date: 11/15/2013 Test Time: 07:39 EST

Dry Gas Target: 0.097

Lot Number: AG204704-21 Exp Date: 02/16/2014

Tank Pressure: 232 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	07:40
CHK	0.098	07:41
BLK	0.000	07:42
CHK	0.098	07:43
BLK	0.000	07:44
CHK	0.098	07:45

Test Status: *Success*

Calibration CRC: 511F76C9

AMS

NXL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010511 Test Number: 415

Test Date: 11/15/2013 Test Time: 07:48 EST

Dry Gas Target: 0.292

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 218 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	07:48
CHK	0.294	07:49
BLK	0.000	07:51
CHK	0.294	07:51
BLK	0.000	07:53
CHK	0.293	07:54

Test Status: Success

Calibration CRC: 511F76C9

HMS
RSH

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010511

System Date: 11/15/2013

System Time: 08:27 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS
MSH

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010511 Test Number: 416

Test Date: 11/15/2013 Test Time: 08:30 EST

Dry Gas Target: 0.097

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 595 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	08:31
CAL	0.097	08:31

Test Status: *Success*

Calibration CRC: 133989ED

HMS
WDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010511 Test Number: 417

Test Date: 11/15/2013 Test Time: 08:34 EST

Technician Initials: *HMS*

Dry Gas Target: 0.243

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 291 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	08:34
BLK	0.000	08:35
CHK	0.241	08:36
BLK	0.000	08:37
CHK	0.240	08:38
BLK	0.000	08:39
CHK	0.240	08:40
BLK	0.000	08:42

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
PMS

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010511 Test Number: 418

Test Date: 11/15/2013 Test Time: 08:43 EST

Technician Initials: HMS

Dry Gas Target: 0.146

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 855 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:43
BLK	0.000	08:44
CHK	0.145	08:45
BLK	0.000	08:46
CHK	0.145	08:47
BLK	0.000	08:48
CHK	0.145	08:49
BLK	0.000	08:50

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
1/25/14

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010511 Test Number: 419

Test Date: 11/15/2013 Test Time: 08:52 EST

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 870 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:52
BLK	0.000	08:53
CHK	0.077	08:54
BLK	0.000	08:55
CHK	0.077	08:56
BLK	0.000	08:57
CHK	0.077	08:58
BLK	0.000	08:59

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
PDK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010511 Test Number: 420

Test Date: 11/15/2013 Test Time: 09:00 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 992 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:01
BLK	0.000	09:02
CHK	0.019	09:02
BLK	0.000	09:04
CHK	0.019	09:04
BLK	0.000	09:05
CHK	0.019	09:06
BLK	0.000	09:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

MS
MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010511 Test Number: 421

Test Date: 11/15/2013 Test Time: 09:10 EST

Dry Gas Target: 0.292

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 213 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	09:11
CHK	0.293	09:11
BLK	0.000	09:13
CHK	0.293	09:14
BLK	0.000	09:15
CHK	0.292	09:16

Test Status: Success

Calibration CRC: 133989ED

AMS
MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010511 Test Number: 422

Test Date: 11/15/2013 Test Time: 09:19 EST

Dry Gas Target: 0.097

Lot Number: AG320502-17 Exp Date: 07/24/2015

Tank Pressure: 1115 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:19
CHK	0.097	09:20
BLK	0.000	09:22
CHK	0.097	09:22
BLK	0.000	09:24
CHK	0.097	09:24

Test Status: *Success*

Calibration CRC: 133989ED




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

hms
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/15/2013
TEST EQUIPMENT NUMBER 010511		

RESULTS: TIME SAMPLE TAKEN **09:32 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Nov 2013 at 13:32

Handwritten initials:
LMS
MLK

Test Results

Instrument Serial Number 010511

Test # 000423 Subject Test

Test Location 1 Department of

Test Date 15 Nov 2013

Test Location 2 Forensic Science

Test Time 09:26

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Operator's Middle Initial M

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 15 Nov 2013 End Time 09:33

Result Time 09:32

Result Date 15 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:26

Data Type BLK

Sample Value 0.000

Sample Time 09:27

Data Type CHK

Sample Value 0.097

Sample Time 09:28

Data Type BLK

Sample Value 0.000

Sample Time 09:29

Data Type SUBJ

Sample Value 0.000

Sample Time 09:30

Data Type BLK

Sample Value 0.000

Sample Time 09:30

Data Type SUBJ

Sample Value 0.000

Sample Time 09:32

Data Type BLK

Sample Value 0.000

Sample Time 09:33

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG320502-17

Standard Expiration Date 07/24/2015

Tank Pressure 1115

Barometric Pressure 740 mmHg

Blow Sample Number 1 Blow Duration 3.74 sec

Blow Volume 1712 cc End-of-Blow Time 09:30

Blow Sample Number 2 Blow Duration 3.95 sec

Blow Volume 1787 cc End-of-Blow Time 09:32

Tamper Evident Stamp e6b4de52

Test Status Code 0

Test Status Success